

WHAT IS CLAIMED IS:

1. A multifunctional forceps set comprising:

a forceps body having a fixed handle and a movable handle pivotally connected with rear side of the fixed handle, whereby the movable handle can be opened from the fixed handle or closed thereto, a barrel forward extending from the fixed handle;

a first link and a second link fitted in the barrel and slidable along the barrel, a rear end of the first link being pivotally connected with the movable handle and drivingly displaceable by the movable handle, the second link being manually pushable, a blade being fixedly disposed at front end of the second link and positioned in the barrel, whereby when pushing the second link, the blade is driven and moved within the barrel to protrude from front end of the barrel or retract into the barrel;

a press unit disposed on the forceps body and manually pressable to move between a pulled position and a not pulled position;

a pull ring fitted around the barrel and movable along the barrel;

two first tracking members, two second tracking members and

a third tracking member all disposed in the barrel and slidable within the barrel, rear ends of the two first tracking members being fixed with the pull ring, whereby when pulling the pull ring toward rear end of the barrel, the two first tracking members are driven and moved rearward, rear ends of the two second tracking members and the third tracking members being connected with the press unit, whereby when pressing the press unit, the second and third tracking members are moved rearward;

a forceps mouth having two side by side arranged lower jaws and two side by side arranged upper jaws which are spaced by a certain gap, the two lower jaws being fixedly disposed at front end of the barrel, rear ends of the two upper jaws being pivotally connected with rear ends of the two lower jaws which serve as a fulcrum, whereby the upper jaws can be opened from the lower jaws or closed to the lower jaws, the front end of the first link being pivotally connected with the rear ends of the upper jaws, whereby when the first link is moved, the two upper jaws are driven and angularly displaced and when the second link is moved forward, the blade extends through the gap between the upper and lower jaws and protrudes from the front end of the forceps mouth;

two small blades disposed at rear ends of the two lower jaws in certain positions; and

a pull member, a middle section of the pull member being connected with front end of the third tracking member, two ends

of the pull member being respectively positioned on rear sides of the two lower jaws in certain positions, whereby the pull member can be pulled by the third tracking member to displace.

2. The multifunctional forceps set as claimed in claim 1, further comprising two loop ligatures, each loop ligature being a slippery knot braided from a suture, the loop ligature including a loop, two segments outward extending from the loop and a knotted section braided from the two segments and adjacent to the loop, the knotted section being slippery, whereby when tracking a first segment of the loop ligature, the size of the loop is minified, while when tracking a second segment of the loop ligature, the knotted section is converted into a secure knot, the loops of the loop ligatures being wound along the peripheries of the upper and lower jaws, an end of the first segment being connected with front end of each first tracking member, an end of the second segment being connected with front end of each second tracking member, two ends of the pull member being respectively connected with the two segments of each loop ligature, whereby when the pull member is pulled, the two segments of the loop ligature are driven to move toward the small blades to be cut off by the small blades.
3. The multifunctional forceps set as claimed in claim 1, wherein the movable handle is formed with a through hole aligned with the rear end of the barrel, the rear end of the first link being pivotally connected in the through hole.

4. The multifunctional forceps set as claimed in claim 1, wherein movable handle is formed with a through hole aligned with the rear end of the barrel, the rear end of the second link extending through the through hole and protruding from rear side of the movable handle, a resilient member being disposed between the rear end of the second link and the movable handle, whereby when no external force is applied to the second link, the second link keeps in a rearward position.
5. The multifunctional forceps set as claimed in claim 1, wherein a fissure is axially formed on the front end of the first link and inward extends from the front end thereof, the fissure being aligned with the gap between the two pairs of jaws, whereby the blade is received in the fissure and displaceable within the fissure and the gap between the two pairs of jaws.
6. The multifunctional forceps set as claimed in claim 1, wherein when pressing the press unit, the second tracking members are first tracked and then the third tracking member is tracked.
7. The multifunctional forceps set as claimed in claim 1, wherein the press unit includes a trigger and a lever, the trigger being pivotally disposed on the forceps body and manually pullable between a pulled position and a not pulled position, the lever being disposed on the forceps body and swingable, whereby when the trigger is pulled, the lever is driven to displace, the rear ends of the two second tracking members being connected with the

lever.

8. The multifunctional forceps set as claimed in claim 7, wherein the trigger has a body section and a pull arm connected with the body section, a cam section being formed on a circumference of the body section, the body section of the trigger being pivotally disposed on the fixed handle, whereby the trigger can be rotated, the pull arm being for manually shifting, the lever being positioned behind the trigger, whereby when the trigger is positioned in the pulled position, the cam section rearward pushes the lever, a resilient member being disposed between a certain portion of the forceps body and the lever, whereby when no external force is applied to the lever, the lever keeps in a forward leaning state.
9. The multifunctional forceps set as claimed in claim 8, wherein a notch is formed on the circumference of the body section of the trigger, a secure pin being pivotally disposed on the fixed handle and displaceable between a latching position and an unlatching position, whereby when the secure pin is positioned in the latching position, the secure pin hooks the notch of the trigger, while when the secure pin is positioned in the unlatching position, the secure pin unhooks the notch of the trigger.
10. The multifunctional forceps set as claimed in claim 7, wherein after pressing the trigger, the trigger drives and moves the

lever to pull and displace the third tracking member.

11. The multifunctional forceps set as claimed in claim 10, further comprising a connecting button displaceably disposed on the forceps body, whereby when the trigger is pulled, the connecting button is driven and moved, the rear end of the third tracking member being connected with the connecting body.
12. The multifunctional forceps set as claimed in claim 11, wherein the connecting button is up and down movable on the fixed handle and positioned right under the trigger, whereby the connecting button can be driven and displaced by the trigger.
13. The multifunctional forceps set as claimed in claim 1, wherein outer side of rear end of each lower jaw is formed with an inward extending small fissure, the small blade being disposed in the small fissure.
14. The multifunctional forceps set as claimed in claim 13, wherein a protective jacket is disposed at outer end of each small blade.
15. The multifunctional forceps set as claimed in claim 1, wherein bottom face of the rear end of each lower jaw is formed with a guide channel; the pull member being flexible, two ends of the pull member being respectively conducted through the guide channels and reversely upward folded through outer sides of the two lower jaws to respectively connect with the sutures of the

two loop ligatures.

16. The multifunctional forceps set as claimed in claim 1, wherein the two lower jaws are integrally formed at front end of a bar member fixedly disposed in the barrel.
17. The multifunctional forceps set as claimed in claim 2, wherein the front end of each lower jaw is formed with a recess which is slightly larger than the volume of the knotted section of the loop ligature, the front edge of outer side of each lower jaw being formed with a small groove near the recess, the small groove being slightly larger than the diameter of the suture.
18. The multifunctional forceps set as claimed in claim 17, wherein two steel plates are respectively fixedly disposed at front ends of the two lower jaws, each steel plate having a through hole corresponding to the recess.
19. The multifunctional forceps set as claimed in claim 2, further comprising a locating member, two ends of the locating member being respectively formed with two hook sections, the locating member being disposed at rear end of top face of each lower jaw near the pivot joint, two sides of the loop of each loop ligature being respectively hooked with the hook sections of the locating member.
20. The multifunctional forceps set as claimed in claim 19, wherein

an insertion dent is formed on rear end of top face of the lower jaw and the locating member is inlaid in an insertion dent.

21. The multifunctional forceps set as claimed in claim 1, wherein two slots are formed on two sides of the circumference of a middle section of the barrel, two splits being formed on two sides of front end of the barrel.

22. A loop ligature co-used with the forceps set as claimed in claim 1, the loop ligature being braided from a suture, including a loop and two segments outward extending from the loop, the two segments being braided to form a knotted section adjacent to the loop, the knotted section having multiple circle sections formed by winding a first segment around a second segment, the multiple circle sections being formed in such a manner that the first segment is first wound around the second segment from one side of the loop to form a first circle and then the first segment is wound around the second segment from one side of the first circle section near the loop to form a second circle section, a first bridge section extending from the second circle section being bridged over the first circle section, then the first segment being further wound around the second segment to form a third circle section on the other side of the first circle section, then a fourth circle section being formed on a free side of the third circle section, a second bridge section being bridged between the third and fourth circle sections.



23. A multifunctional forceps set comprising:

a forceps body having a fixed handle and a movable handle pivotally connected with the fixed handle, whereby the movable handle can be opened from the fixed handle or closed thereto, a barrel forward extending from the fixed handle;

a first link and a second link fitted in the barrel and slidable along the barrel, a rear end of the first link being pivotally connected with the movable handle and drivingly displaceable by the movable handle, the second link being manually pushable, a blade being fixedly disposed at front end of the second link and positioned in the barrel, whereby when pushing the second link, the blade is driven and moved within the barrel to protrude from front end of the barrel or retract into the barrel;

a press unit disposed on the forceps body and manually pressable to move between a pulled position and a not pulled position;

a pull ring fitted around the barrel and movable along the barrel;

at least one first tracking member, at least one second tracking member and at least one third tracking member all disposed in the barrel and slidable within the barrel, rear end of the first tracking member being fixed with the pull ring,

whereby when pulling the pull ring toward rear end of the barrel, the first tracking member is driven and moved rearward, rear ends of the second tracking member and third tracking member being connected with the press unit, whereby when pressing the press unit, the second tracking member is first driven to move rearward and then the third tracking member is driven to move rearward;

a forceps mouth having two side by side arranged lower jaws and two side by side arranged upper jaws which are spaced by a certain gap, the two lower jaws being fixedly disposed at front end of the barrel, rear ends of the two upper jaws being pivotally connected with rear ends of the two lower jaws, whereby the upper jaws can be opened from the lower jaws or closed to the lower jaws, the front end of the first link being pivotally connected with the rear ends of the upper jaws, whereby when the first link is moved, the two upper jaws are driven and angularly displaced and when the second link is moved forward, the blade extends through the gap between the upper and lower jaws and protrudes from the front end of the forceps mouth;

two small blades disposed at rear ends of the two lower jaws in certain positions; and

a pull member connected with the front end of the third tracking member, two ends of the pull member being respectively positioned on rear sides of the two lower jaws in certain positions, whereby the pull member can be pulled by the third

tracking member to displace.